

# HUNTINGTON BEACH

## MASTER PLAN

### FOR ARTERIAL STREET MEDIAN LANDSCAPE DEVELOPMENT

JANUARY, 1984

INSTITUTE OF GOVERNMENTAL  
STUDIES LIBRARY

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PARK, TREE & LANDSCAPE DIVISION



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### MEDIAN LANDSCAPE DEVELOPMENT STATUS

EXISTING MEDIAN LANDSCAPE INSTALLED (MEDIAN NOT CONSTRUCTED)

EXISTING MEDIAN LANDSCAPE INSTALLED (MEDIAN CONSTRUCTED)

EXISTING MEDIAN LANDSCAPE INSTALLED (MEDIAN NOT CONSTRUCTED)

EXISTING MEDIAN LANDSCAPE INSTALLED (MEDIAN CONSTRUCTED)

EXISTING MEDIAN LANDSCAPE INSTALLED (MEDIAN PARTIALLY CONSTRUCTED)

TOTAL EXISTING MEDIAN OF CENTERLINE AREAS


### MEDIAN LANDSCAPE MAINTENANCE COST ESTIMATES

EXISTING MEDIAN LANDSCAPE MAINTENANCE COST ESTIMATE

CONSTRUCTION MEDIAN TO BE LANDSCAPED

FUTURE LANDSCAPED MEDIAN

TOTAL MEDIAN MAINTENANCE COST ESTIMATE



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# AMENDMENTS

PLANNING  
COMMISSION  
DATE: 11/18/76  
RESOLUTION  
NUMBER: 4368

CITY  
COUNCIL  
DATE: 12/12/76  
RESOLUTION  
NUMBER: 4368

## CIRCULATION PLAN OF ARTERIAL STREETS AND HIGHWAYS

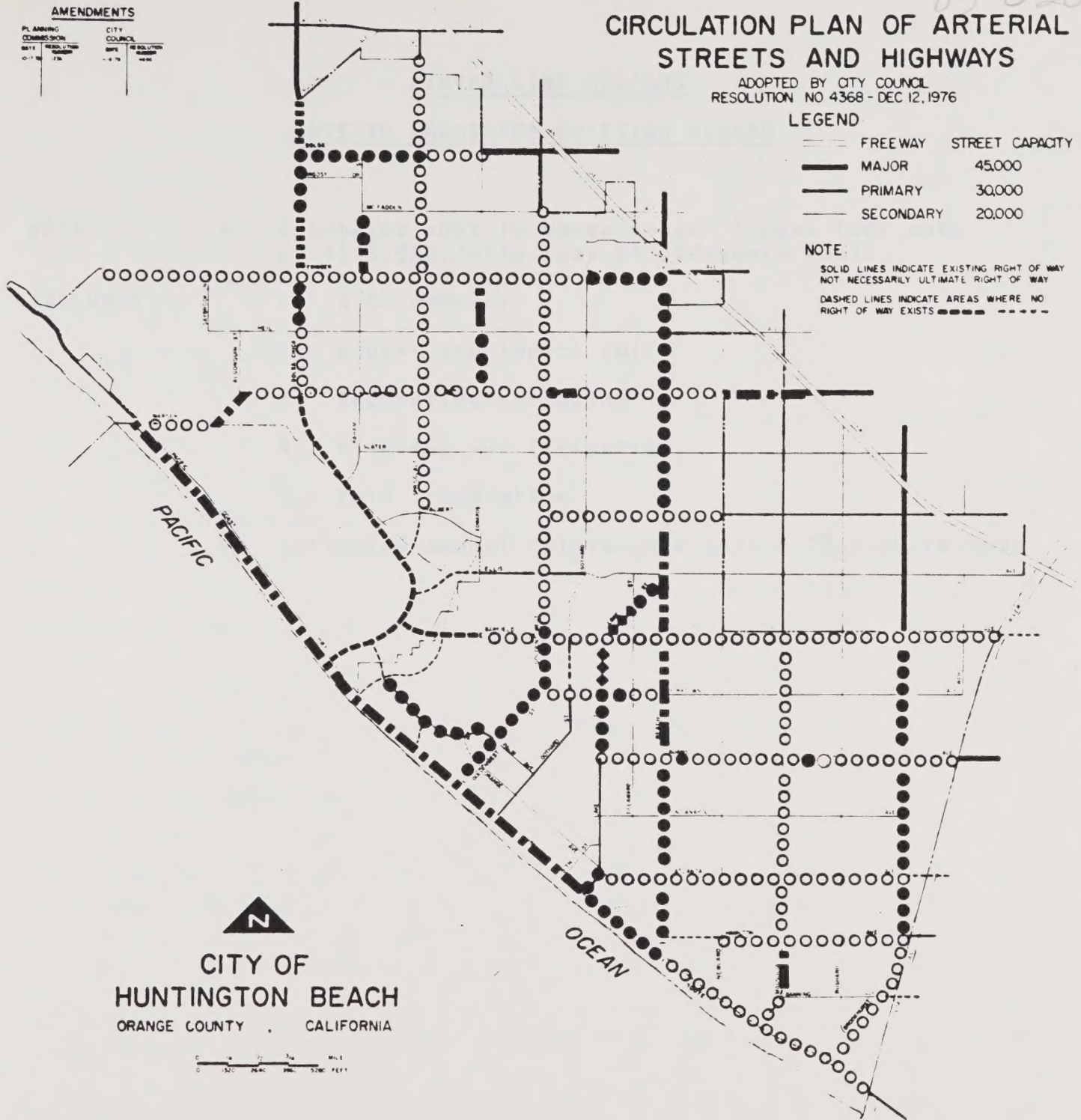
ADOPTED BY CITY COUNCIL  
RESOLUTION NO 4368 - DEC 12, 1976

### LEGEND

—	FREEWAY	STREET CAPACITY
—	MAJOR	45,000
—	PRIMARY	30,000
—	SECONDARY	20,000

### NOTE

SOLID LINES INDICATE EXISTING RIGHT OF WAY  
NOT NECESSARILY ULTIMATE RIGHT OF WAY  
DASHED LINES INDICATE AREAS WHERE NO  
RIGHT OF WAY EXISTS



**CITY OF  
HUNTINGTON BEACH**  
ORANGE COUNTY, CALIFORNIA

### MEDIAN LANDSCAPE DEVELOPMENT STATUS:

OOOOO	NO LANDSCAPE INSTALLED (MEDIAN NOT CONSTRUCTED)	37.94 (56%)
●●●●●	LANDSCAPE INSTALLED (MEDIAN CONSTRUCTED)	17.56 (26%)
◆◆◆◆◆	LANDSCAPE PARTIALLY INSTALLED (MEDIAN NOT CONSTRUCTED)	1.00 (1%)
■■■■■	NO LANDSCAPE INSTALLED (MEDIAN CONSTRUCTED)	11.51 (17%)
▤▤▤▤▤	NO LANDSCAPE INSTALLED (MEDIAN PARTIALLY CONSTRUCTED)	
TOTAL ESTIMATED MILES OF CENTERLINE MEDIANS		67.01

### ANNUAL LANDSCAPE MAINTENANCE COST ESTIMATES

EXISTING	\$133,600
CONSTRUCTED MEDIANS TO BE LANDSCAPED	79,900
FUTURE LANDSCAPED MEDIANS	218,900
<b>TOTAL</b>	<b>\$432,400</b>



## CENTER LINE MEDIANS

### COST TO LANDSCAPE EXISTING MEDIAN

- NOTE: A. Estimated cost is based on per lineal foot cost at \$143,920./mile (say \$4.50/square foot)
- INCLUDES:
1. A.C. removal
  2. Export and import soil
  3. Decorative surfacing
  4. Planting and irrigation
  5. Soil preparation
- B. Estimated annual maintenance cost @ 18¢/square foot





AVERAGE COST FOR MEIDAN CONSTRUCTION & LANDSCAPING

<u>FULL WIDTH (1820 L.F.)</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>	<u>L.F./COST</u>	<u>TOTAL COST/MILE</u>
A.C. Removal	17 s.f.	\$0.65	\$11.05	\$ 20,020.00
Excavation	0.8 c.y.	5.00	4.00	7,280.00
Curb & Gutter	2 l.f.	9.00	18.00	32,760.00
Patching pavement	2 s.f.	3.00	6.00	10,920.00
Import, Select	0.8 c.y.	15.00	12.00	21,840.00
Irrigation & Landscaping	13 s.f.	3.00	39.00	70,980.00
			<u>\$90.05/l.f.</u>	<u>\$163,800.00</u>

TURN POCKET

A.C. Removal	8.5 s.f.	\$ .65	5.55 (@2800')	\$15,540.00
Excavation & Import	0.3 c.y.	20.00	6.00 (@900')	5,400.00
Curb & Gutter	2 l.f.	9.00	18.00 (@2800')	50,400.00
Pavement Patching	3 s.f.	3.00	9.00 (@2800')	25,200.00
Stamped Concrete	3 s.f.	5.00	15.00 (@1900')	28,500.00
			<u>53.55/l.f.</u>	<u>125,040.00</u>

<u>TYPICAL MILE<sup>±</sup></u>	<u>No.</u>	<u>@ L.F.</u>	<u>TOTAL/L.F.</u>	<u>COST/L.F.</u>	<u>TOTAL/MI.</u>
Arterial Hwy Openings	2	120'	240	\$ -0-	\$ -0-
Local Street Openings	6	70'	420	-0-	-0-
Turn Pockets, Arterials	4	250'	1000	53.55	53,550.
Turn Pockets, Local	12	150'	1800	53.55	96,390.
Full Width Medians			1800	90.05	162,090.
			<u>5280 l.f.</u>		<u>\$312.030.</u>

Cost to construct hwy median, irrigation & landscape/mile = \$312.030.



COST TO LANDSCAPE EXISTING A.C. FILLED HIGHWAY MEDIAN (TOTAL REMOVAL)

<u>FULL WIDTH</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>	<u>L.F. COST</u>	<u>TOTAL COST/MILE</u>
A.C. Removal	13 s.f.	.65	\$ 8.45	...
Excavation	1 c.y.	5.00	5.00	...
Import, Select	0.8 c.y.	15.00	12.00	...
Irrigation & Landscape	13 s.f.	3.00	39.00	...
			<u>\$64.45</u>	
<u>TURN POCKET</u>				
Stamped Concrete	3 s.f.	5.00	15.00	...
<u>TOTALS</u>				
Full Width/Mile	1820 l.f.	64.45	...	\$117,299.00
Turn Pocket/Mile	2800 l.f.	15.00	...	42,000.00
				<u>\$159,299.00</u>
Cost to landscape existing A.C. filled highway median per mile				\$159,299.00





COST TO LANDSCAPE EXISTING DIRT FILLED HIGHWAY MEDIAN

<u>FULL WIDTH</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>	<u>L.F. COST</u>	<u>TOTAL COST/MILE</u>
Excavation	1 c.y.	\$ 5.00	\$ 5.00	...
Import, Select	0.8 c.y.	15.00	12.00	...
Irrigation & Landscape	13 s.f.	3.00	39.00	
			<u>\$56.00</u>	
<u>TURN POCKET</u>				
Stamped Concrete	3 s.f.	\$ 5.00	\$15.00	...
<u>TOTALS</u>				
Full Width/Mile	1820 l.f.	\$56.00	...	\$101,920.00
Turn Pockets	2800 l.f.	15.00	...	42,000.00
				<u>\$143,920.00</u>
Cost to landscape existing dirt filled highway median per mile				\$143,920.00





EXISTING CENTER LINE MEDIAN LANDSCAPE

<u>LOCATION</u>	<u>MILES</u>	<u>SQUARE FEET</u>	<u>ANNUAL MAINT COST</u>
1. Bolsa Chica	.73	22,406	\$ 4,033.
2. Bolsa	1.0	41,240	7,423.
3. Graham	.32	9,700	1,746.
4. Edinger	.70	26,376	4,748.
5. Beach Boulevard	3.65	162,438	29,239.
6. Main Street	1.50	121,073	31,306.
@ Landscape		68,219	12,279.
@ Grass		52,854	19,027*
7. Goldenwest	1.50	42,957	14,314.
@ Landscape		6,389	1,150.
@ Grass		36,568	13,164.*
8. Yorktown	.30	9,287	1,672.
9. Brookhurst	2.65	127,960	23,033.
10. Edwards Box Channel	.35	12,124	2,182.
11. Pacific Coast Hwy	1.0	31,120	1,040.
@ Landscape		6,420	1,156.
@ Grass		24,700	8,892.*
12. Palm	1.55	49,693	8,945.
13. Adams	.31	9,939	1,789
<u>TOTALS</u>			
Center Line Median	<u>15.56</u>	<u>666,313</u>	<u>131,470</u>
Residential Entrance Medians	<u>2.0</u>	<u>11,761</u>	<u>2,117</u>
<u>GRAND TOTAL</u>	<u>17.56</u>	<u>678,074</u>	<u>\$133,587</u>

NOTE: Estimated annual maintenance cost @ 18¢ per square foot

\*Estimated annual grass maintenance cost @ 36¢ per square foot



CENTER LINE MEDIANS

EXISTING MEDIANS TO BE LANDSCAPED

	<u>LOCATION</u>	<u>MILES</u>	<u>SQUARE FEET</u>	<u>EST. COST</u>	<u>ANNUAL MAINT COST.</u>
1.	Beach Boulevard	2.0	108,000	\$287,840.	\$19,440.
2.	Magnolia between Hamilton/Banning	.28	20,000	40,298.	3,600.
3.	Edwards Box Channel between Edinger/Heil	.47	26,000	67,642.	4,680.
4.	Warner south/Algonquin	.47	16,000	67,642.	2,880.
5.	Warner between Rotterdam/Magnolia	.75	25,000	107,940.	4,500.
6.	Warner east/Goldenwest	.24	4,000	34,540.	720.
7.	Bolsa Chica various locations	1.15	37,000	165,508.	6,660.
8.	Graham between Edinger/McFadden	1.0	32,060	143,920.	5,771
9.	Pacific Coast Highway btwn Main/Warner	<u>5.15</u>	<u>176,000</u>	<u>389,855.</u>	<u>31,680.</u>
	TOTAL	<u>11.51</u>	<u>444,060</u>	<u>\$1,305,185.</u>	<u>\$79,931.</u>

NOTE: \$143,920. X MILES = Estimated Cost





FUTURE LANDSCAPED MEDIANS

	<u>LOCATION</u>	<u>MILES</u>	<u>ESTIMATED COST</u>	<u>ANNUAL MAINT COST</u>
1.	Brookhurst	1.1	\$ 343,233.	\$ 6,348.
2.	Magnolia	3.93	1,226,278.	22,679.
3.	Goldenwest	3.7	1,154,511.	21,352.
4.	Springdale	3.7	1,154,511.	21,352.
5.	Bolsa Chica	.62	193,459.	3,578.
6.	Bolsa	.4	124,812.	2,308.
7.	Edinger	4.0	1,284,120	23,083.
8.	Warner	4.0	1,284,120.	23,083.
9.	Talbert	1.5	468,045.	8,656.
10.	Garfield	4.3	1,341,729.	24,814.
11.	Yorktown	.7	218,421	4,040.
12.	Adams	2.69	839,360.	15,523.
13.	Atlanta	2.6	811,278	15,004.
14.	Hamilton	1.6	499,248.	9,233.
15.	P.C.H.	2.1	655,263.	12,119.
16.	Main Street btwn Delaware/n of Yorktown	<u>1.0</u>	<u>312,030.</u>	<u>5,771.</u>
		37.94	\$11,910,419.	\$218,943.

NOTES:

1. \$312,030. X Miles = Estimated Costs
2. Estimated annual maintenance cost @ 18¢ per square foot
3. Typical median mile will contain 32,060 sq. ft  
includes total median construction





REMEDIAL LANDSCAPE MEDIANS

<u>LOCATION</u>	<u>MILES</u>	<u>S.F.</u> <u>STAMPED CONC</u>	<u>S.F.</u> <u>AUTO IRRIG.</u>	<u>EST. COST</u>
1. Beach Blvd btwn Talbert/Edinger	2.0	53,440	87,790	\$311,095.
2. Beach Blvd btwn P.C.H./Adams	1.6	9,120	74,645	82,922.
3. Brookhurst btwn Banning/Garfield	3.0	47,320	127,960	300,580.
4. Main St. btwn Beach/Delaware	<u>.25</u>	2,810	10,270	<u>19,185.</u>
TOTALS:	6.31			\$713,782.

NOTES:

Stamped conc. @ \$5.00/s.f.

Automate irrigation system and replacement planting @ .50/s.f.



EXISTING CENTER LINE MEDIANS TO BE LANDSCAPED

PRIORITY SEQUENCE

- (1) Bolsa Chica - Warner to Heil
- (2) Warner south/Algonquin  
Warner between Rotterdam/Magnolia
- (3) Beach Boulevard - Talbert to Adams
- (4) Beach Boulevard - Talbert to Edinger (upgrade)\*
- (5) Beach Boulevard - P.C.H. to Adams (upgrade)\*
- (6) Magnolia between Hamilton/Banning
- (7) Main Street between Delaware and Beach Boulevard (upgrade)\*
- (8) Edwards Box Channel between Edinger/Heil
- (9) Graham between Edinger and McFadden
- (10) Goldenwest - Yorktown to P.C.H. (upgrade)\*
- (11) P.C.H. - Beach Boulevard to Main (upgrade)\*
- (12) Main Street between Delaware and Clay
- (13) P.C.H. between Main and Warner

NOTE:

\*(upgrade) = stamped concrete, automate irrigation system and replacement planting as required.

REV. JAN. 1984





AMENDMENTS			
PL. ADDRESS	CITY COUNCIL	DATE	BY
0-1-1	0-1-1	0-1-1	0-1-1
0-1-2	0-1-2	0-1-2	0-1-2

# CIRCULATION PLAN OF ARTERIAL STREETS AND HIGHWAYS

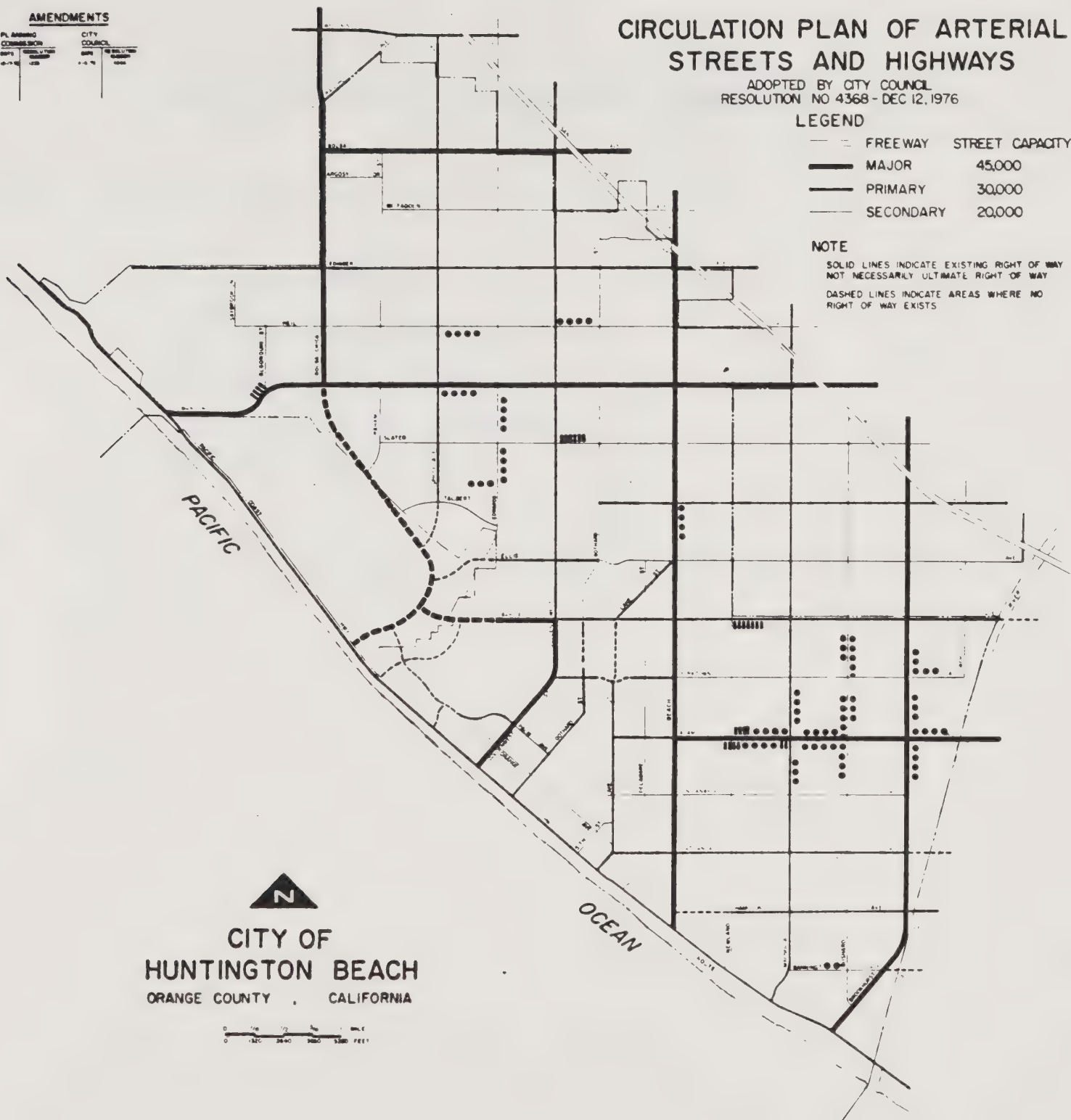
ADOPTED BY CITY COUNCIL  
RESOLUTION NO 4368 - DEC 12, 1976

## LEGEND

—	FREEWAY	STREET CAPACITY
—	MAJOR	45,000
—	PRIMARY	30,000
—	SECONDARY	20,000

## NOTE

SOLID LINES INDICATE EXISTING RIGHT OF WAY  
NOT NECESSARILY ULTIMATE RIGHT OF WAY  
DASHED LINES INDICATE AREAS WHERE NO  
RIGHT OF WAY EXISTS



**CITY OF  
HUNTINGTON BEACH**  
ORANGE COUNTY, CALIFORNIA

## FRONTAGE ROAD MEDIAN LANDSCAPE DEVELOPMENT STATUS

.....	FRONTAGE ROAD MEDIAN AREAS NOT LANDSCAPED	252,400 SQ. FT.	90%
—	FRONTAGE ROAD MEDIAN AREAS LANDSCAPED	29,200 SQ. FT.	10%
TOTAL		281,600 SQ. FT.	



COST TO LANDSCAPE EXISTING FRONTAGE ROAD MEDIAN

NOTE: A. Estimated cost @ \$4.65 per square foot

- INCLUDES:
1. A.C. Removal
  2. Export and import soil
  3. Decorative surfacing
  4. Planting and irrigation
  5. Soil preparation

B. Estimated annual maintenance cost @ 18¢ per square foot



FRONTAGE ROAD MEDIAN AREAS NOT LANDSCAPED

		<u>SQUARE FEET</u>	<u>EST. COST</u>	<u>ANNUAL MAINT. COST</u>
1.	Adams/Crown Reef s/side	8,400	\$39,060.	\$ 1,512.
2.	Adams btwn Magnolia/Bushard s/w side	28,200	131,130.	5,076.
3.	Adams east of Brookhurst on n/side	8,460	39,339.	1,523.
4.	Adams btwn Bushard/Brookhurst n/side	15,400	71,610	2,772.
5.	Adams btwn Bushard/Magnolia n/side	14,400	66,960	2,592.
6.	Adams btwn Magnolia/Newland n/side	7,280	33,852.	1,310.
7.	Banning btwn Starfire/Bushard n/side	3,700	17,205.	666.
8.	Brookhurst btwn Indianapolis/Adams east/side	16,800	78,120.	3,024.
9.	Brookhurst btwn Adams/Yorktown e/side	19,600	91,140.	3,528.
10.	Bushard btwn Adams/Yorktown e/side	12,250	56,953.	2,205.
11.	Bushard btwn Yorktown/Adams w/side	30,170	140,290.	5,431.
12.	Magnolia btwn Indianapolis/Adams east/side	6,500	30,225.	1,170.
13.	Magnolia btwn Adams/Yorktown e/side	3,500	16,275.	630.
14.	Beach Blvd. btwn Main/Tablert e/side	6,300	29,295.	1,134.
15.	Edwards btwn Warner/Slater s/side	6,000	27,900.	1,080.
16.	Edwards btwn Slater/Talbert s/side	8,000	37,200.	1,440.
17.	Heil e/Goldenwest n/side	8,874	41,264.	1,597.
18.	Heil e/Trudy s/side	10,161	47,249.	1,829.
19.	Warner e/Pinehurst s/side	8,229	38,264.	1,481.
20.	Varsity e/Highland n/side	334	1,553.	60.
21.	Yorktown/Brookhurst n/e corner	21,281	98,957.	3,830.
22.	Bushard s/Garfield e/side	4,040	18,786.	727.
23.	Bushard s/Garfield w/side	<u>4,544</u>	<u>21,130.</u>	<u>818.</u>
TOTALS		252,423	\$1,173,757.	\$45,435.

NOTE: \$4.65 X Square Feet = Estimated Cost



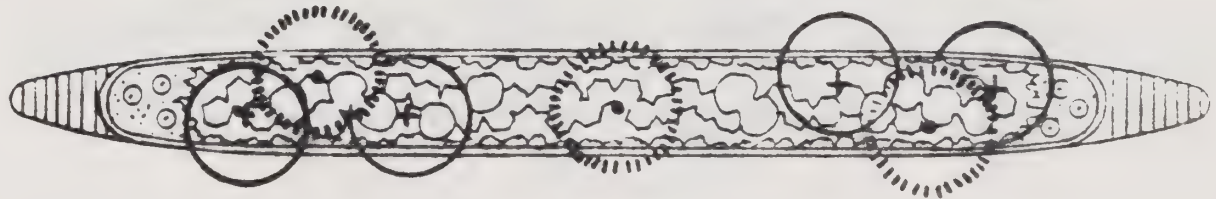
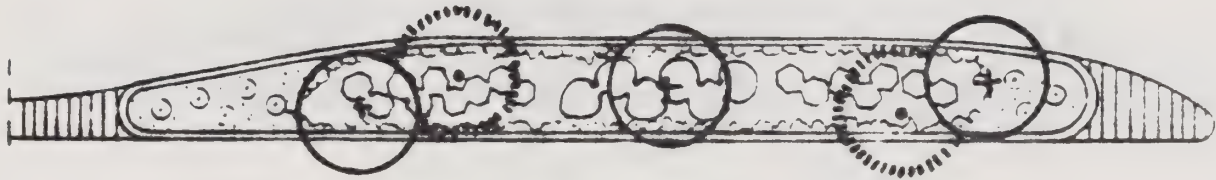


FRONTAGE ROAD MEDIAN AREAS LANDSCAPED

		<u>SQUARE FEET</u>	<u>ANNUAL MAINT COST</u>
24.	Adams/Felcliff	7,550	\$ 1,359.
25.	Malta Cir./Algonquin	5,876	1,058.
26.	Garfield/Newland	8,870	1,597.
27.	Adams s/side - Vintage/Mayford	5,700	1,026.
28.	Slater s/side - East of Goldenwest	<u>1,224</u>	<u>230.</u>
TOTAL		29,220	\$ 5,260.

NOTE: Estimated Annual Maintenance Cost at \$.18 square foot





### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' O.C.	1 GAL.
	PINUS CANARIENSIS	AS SHOWN	30" BOX
	LIQUIDAMBAR STYRACIFLUA 'PALO ALTO'	AS SHOWN	24" BOX
	LANTANA 'IRENE'	MIN. 6' apart	5 GAL.
	RAPHIOLEPIS INDICA 'SPRINGTIME'	MIN. 6' APART	5 GAL.
	GAZANIA SPLENDENS 'DOUBLE YELLOW'	12" O.C.	IN FLATS
	COPROSMA 'PROSTRATA'	3' O.C.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

### STREETS:

1. BOLSA AVENUE
2. TALBERT AVENUE

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATE:

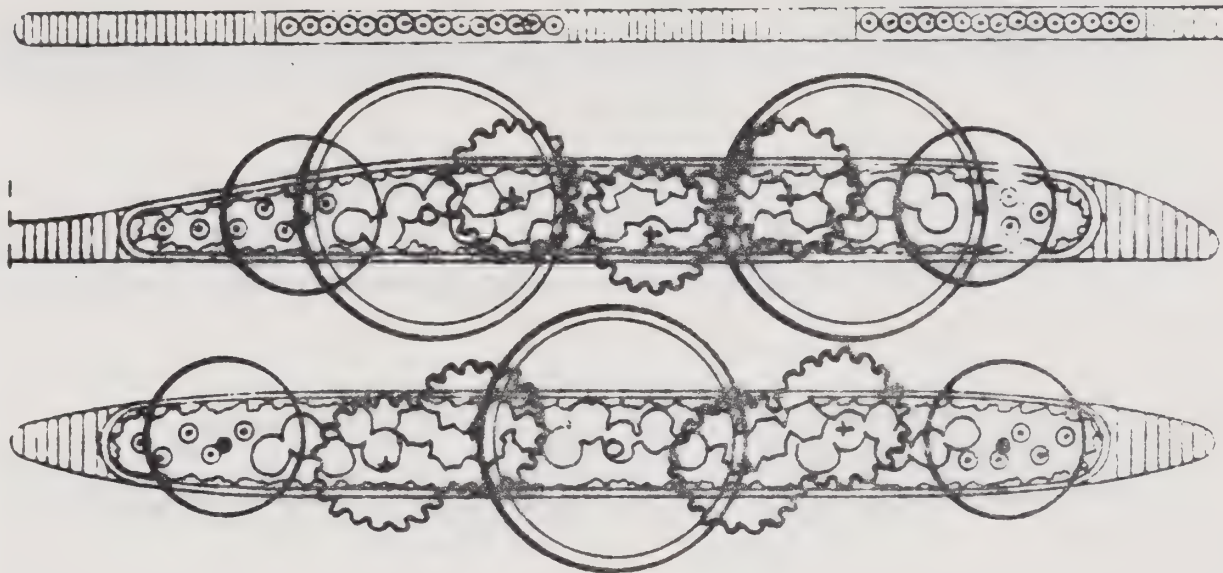
MAR 3 1983

STANDARD PLAN

NO. 731







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' O.C.	1 GAL.
	EUCALYPTUS CLADOCALYX	AS SHOWN	15 GAL.
	CUPANIOPSIS ANACARDIODES	AS SHOWN	24" BOX
	EUCALYPTUS FICIFOLIA	AS SHOWN	24" BOX
	NERIUM OLEANDER 'MRS. ROEDING'	MIN. 6' O.C.	5 GAL.
	XYLOSMA CONGESTUM 'COMPACTA'	MIN. 6' APART	5 GAL.
	LANTANA SELLOWIANA	3' O.C.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

### STREETS:

BOLSA CHICA STREET

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

### ARTERIAL STREET MEDIAN LANDSCAPE TREATMENT

APPROVED:

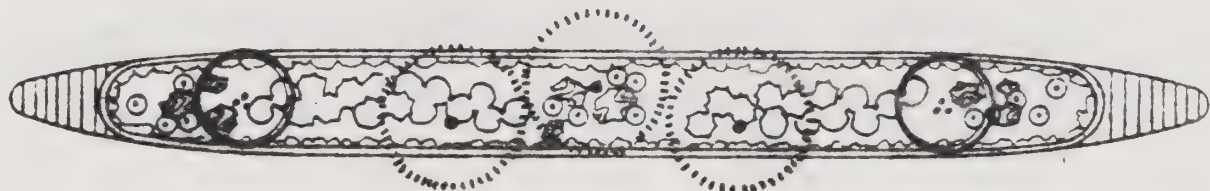
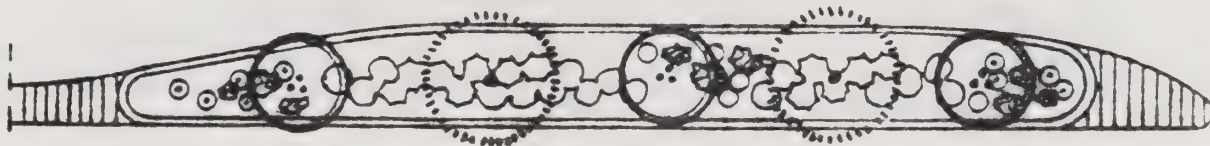
DIRECTOR OF PUBLIC WORKS

REVISION DATE:

STANDARD PLAN

NO. 732





### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	CHAMAEROPS HUMILIS	AS SHOWN	MULTI 30" BOX
	PINUS CANARIENSIS	AS SHOWN	24" BOX
	RAPHIOLEPIS L. 'DWARF PINK'	MIN. 4' APART	5 GAL.
	PITTOSPORUM 'WHEELER'S DWARF'	MIN. 3' APART	5 GAL.
	GAZANIA 'DOUBLE YELLOW'	12" O.C.	in flats
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	PALOS VERDES BOULDERS	AS SHOWN	SEE NOTE 3

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** YORKTOWN AVENUE

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

### ARTERIAL STREET MEDIAN LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATA:

MAP 3

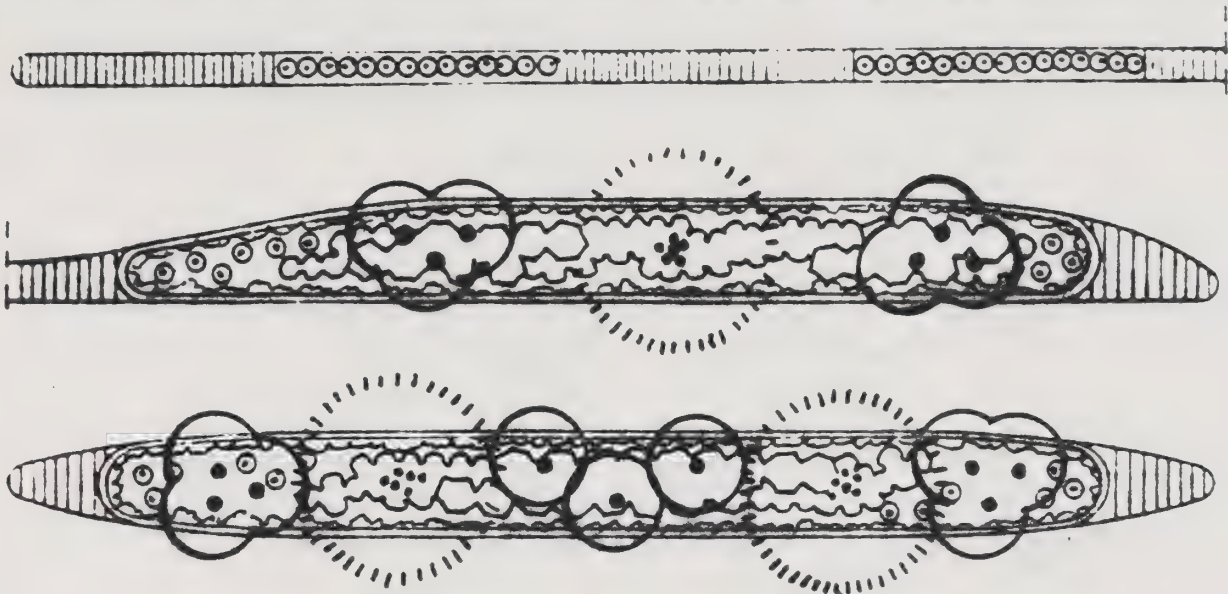
STANDARD PLAN

NO. 733

11/19/82







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
     	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	PHOENIX RECLINATA	AS SHOWN	MULTI 30" BOX
	WASHINGTONIA ROBUSTA	AS SHOWN	SEE NOTE 3
	NERIUM OLEANDER 'MRS ROEDING'	MIN. 6' APART	5 GAL.
	LANTANA 'SPREADING YELLOW'	MIN. 4' APART	1 GAL.
	CARISSA 'GREEN CARPET'	3' O.C.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** BROOKHURST STREET

DEPARTMENT OF PUBLIC WORKS

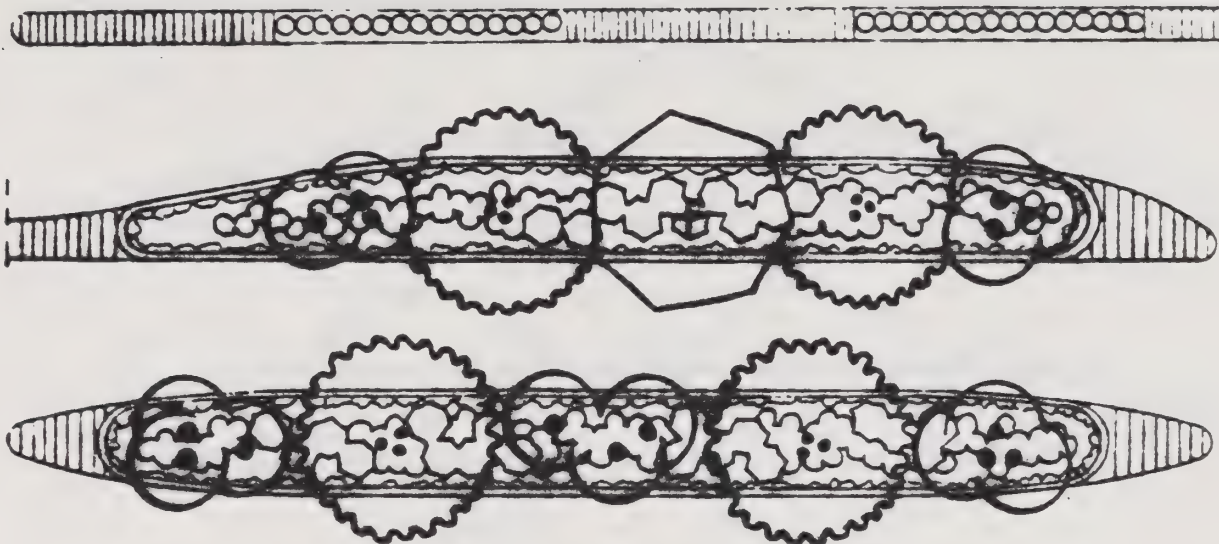
**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

### ARTERIAL STREET MEDIAN LANDSCAPE TREATMENT

APPROVED: 11/19/82  
DIRECTOR OF PUBLIC WORKS DATE  
REVISION DATE: MAR 3 1983  
STANDARD PLAN NO. 734







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	WASHINGTONIA ROBUSTA	AS SHOWN	SEE NOTE 3
	METROSIDEROS TOMENTOSA	AS SHOWN	MULTI 24" BOX
	JACARANDA ACUTIFOLIA	AS SHOWN	24" BOX
	ESCALLONIA 'FRADESI'	MTN. 6' APART	5 GAL.
	EURYOPS PECTINATUS	MTN. 3' APART	1 GAL.
	CARISSA 'GREEN CARPET'	3' O.C.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** WARNER AVENUE

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

**ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT**

APPROVED:

DIRECTOR OF PUBLIC WORKS

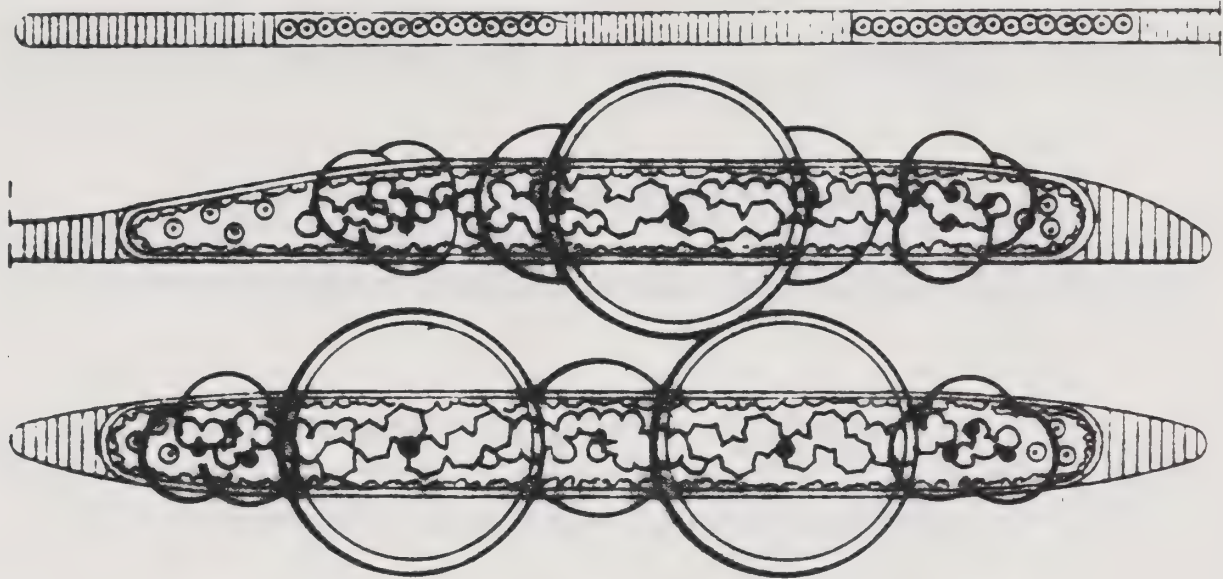
DATE

REVISION DATE:

MAR 3 1963

STANDARD PLAN  
NO. 735





### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	EUCALYPTUS CLADOCALYX	AS SHOWN	15 GAL.
	WASHINGTONIA ROBUSTA	AS SHOWN	SEE NOTE 3
	EUCALYPTUS FICIFOLIA	AS SHOWN	24" BOX
	EURYOPS PECTINATUS	MIN. 3' APART	5 GAL.
	ESCALLONIA 'FRADESI'	MIN. 6' APART	5 GAL.
	CARISSA 'GREEN CARPET'	MIN. 3' O.C.	1 GAL.
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOPDRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** GOLDENWEST STREET

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATE:

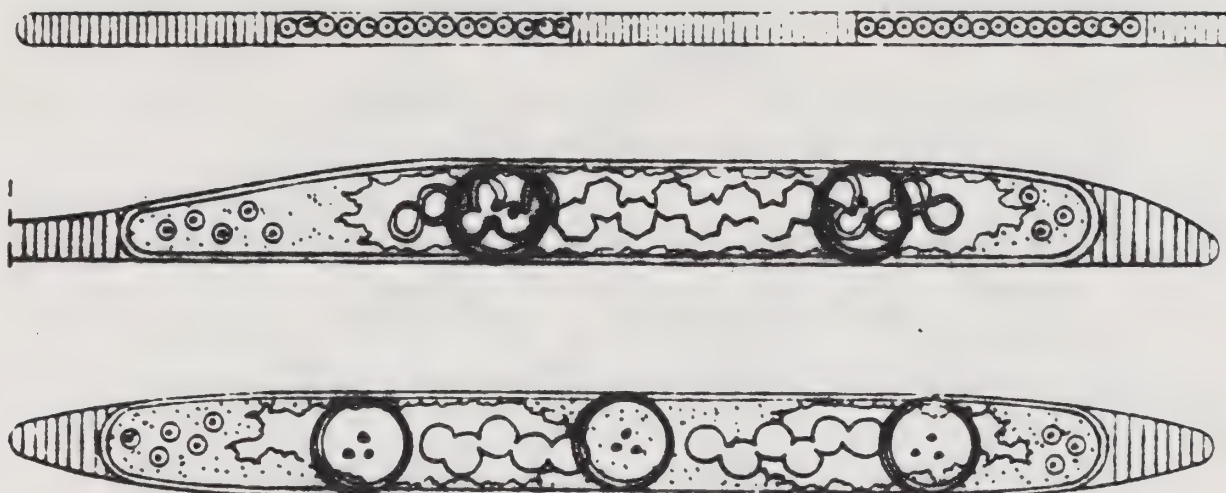
MAR 5 1962

STANDARD PLAN

NO. 736







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	CHAMAEROPS HUMILIS	AS SHOWN	30" BOX
	NERIUM 'MRS ROEDING'	MIN. 6' APART	5 GAL.
	RAPHIOLEPIS 'SPRINGTIME'	MIN. 6' APART	5 GAL.
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	COPROSMA REPENS 'VARIEGATA'	MIN. 4' O.C.	5 GAL.
	GAZANIA 'DOUBLE YELLOW'	12" O.C.	IN FLATS
	CARISSA 'HORIZONTALIS'	3' O.C.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

**STREETS:** BEACH BOULEVARD

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

**ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT**

APPROVED: 11/19/82  
DIRECTOR OF PUBLIC WORKS DATE

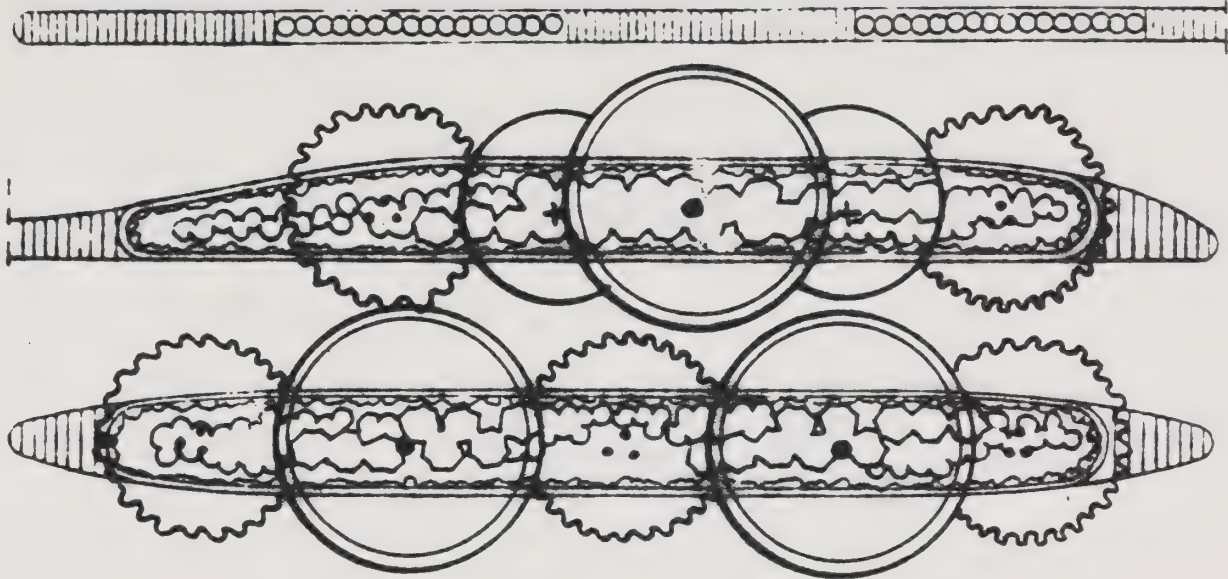
REVISION DATE:

MAR 2 1983

STANDARD PLAN  
NO. 737







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	METROSIDEROS TOMENTOSA	AS SHOWN	MULTI 24" BOX
	EUCALYPTUS CLADOCALYX	AS SHOWN	15 GAL.
	TRISTANIA CONFERTA	AS SHOWN	24" BOX
	MYOPORUM PARVIFOLIUM	3' O.C. MTN.	1 GAL.
	ESCALLONIA 'FRADESI'	6' APART	5 GAL.
	EURYOPS PECTINATUS	3' APART MTN.	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

**STREETS:** SPRINGDALE STREET

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

### ARTERIAL STREET MEDIAN LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATE:

MAR 3 1983

STANDARD PLAN

NO. 738





### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	CHAMAEROPS HUMILIS	AS SHOWN	MULTI 30" BOX
	RAPHIOLEPIS L. 'SPRINGTIME'	MIN. 6' APART	5 GAL.
	EURYOPS PECTINATUS	MIN. 3' APART	1 GAL.
	LANTANA SELLOWIANA	3' O.C.	1 GAL.
	ESCALLONIA 'FRADESI'	MIN. 6' APART	5 GAL.
	GAZANIA S. 'DOUBLE YELLOW'	12" O.C.	IN FLATS
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

**STREETS:** PACIFIC COAST HIGHWAY

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

**ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT**

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATE:

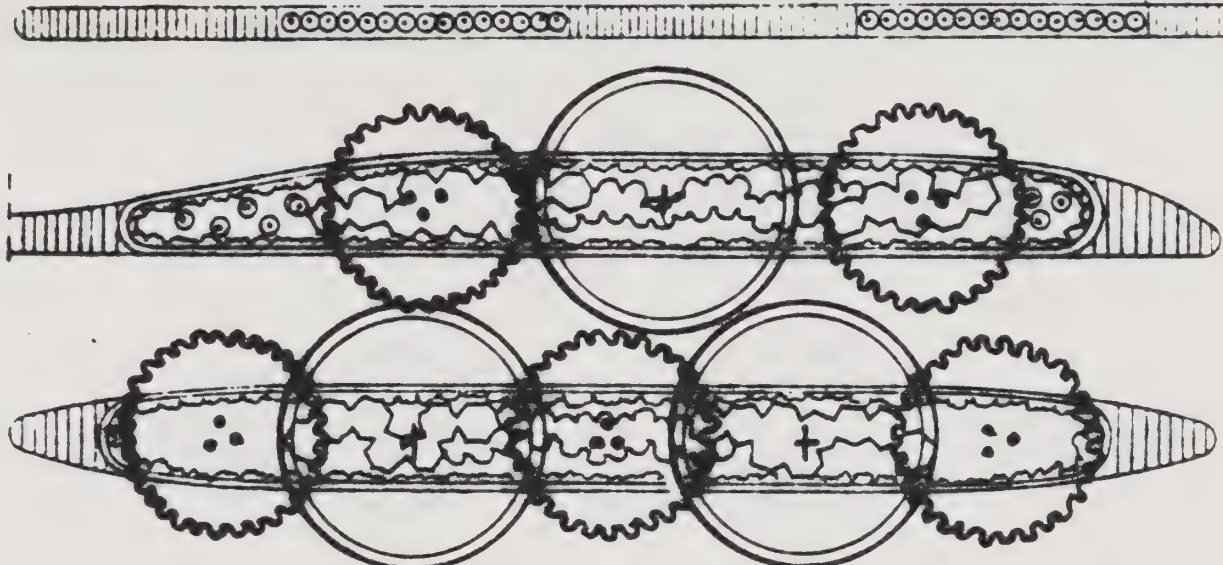
MAR 3 1993

STANDARD PLAN

NO. 739







PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	METROSIDEROS TOMENTOSA	AS SHOWN	MULTI 24" BOX
	LANTANA SELLOWIANA	3' O.C.	1 GAL.
	NERIUM OLEANDER 'PETITE PINK'	MIN. 3' APART	5 GAL.
	EUCALYPTUS CLADOCALYX	AS SHOWN	15 GAL.
	COPROSMA REPENS 'VARIEGATA'	MIN. 4' APART	5 GAL.

NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

**STREETS:** EDINGER AVENUE  
ADAMS AVENUE

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT

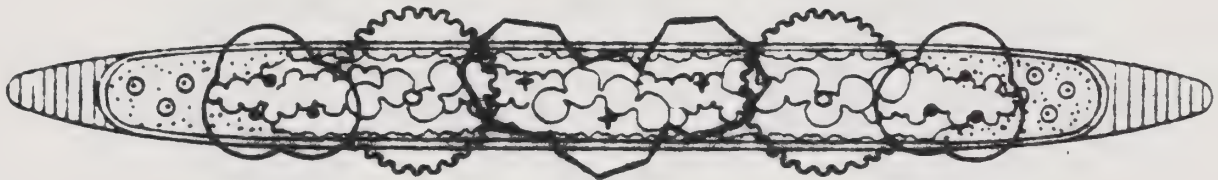
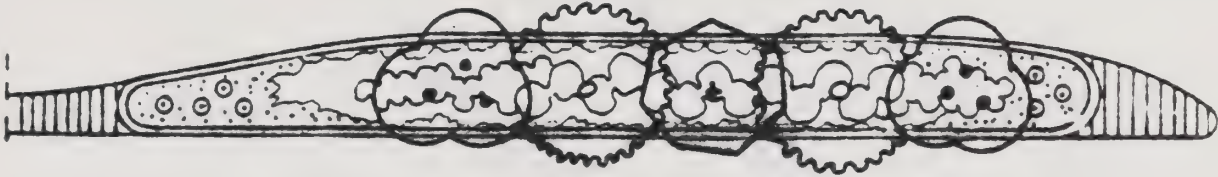
APPROVED: 4/19/82  
DIRECTOR OF PUBLIC WORKS DATE

REVISION DATE  
MAR 3 1983

STANDARD PLAN  
NO. 740







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	WASHINGTONIA ROBUSTA	AS SHOWN	SEE NOTE 3
	PITTOSPORUM TOBIRA 'WHEELERS DWARF'	MIN. 3' APART	5 GAL.
	NERIUM OLEANDER 'MRS. ROEDING'	MIN. 6' APART	5 GAL.
	TRISTANIA CONFERTA	AS SHOWN	24" BOX
	EUCALYPTUS FICIFOLIA	AS SHOWN	24" BOX
	GAZANIA S. 'GOLD RUSH'	12' O.C.	IN FLATS
		O.C.	

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** GARFIELD AVENUE  
ATLANTA AVENUE

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

### ARTERIAL STREET MEDIAN LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

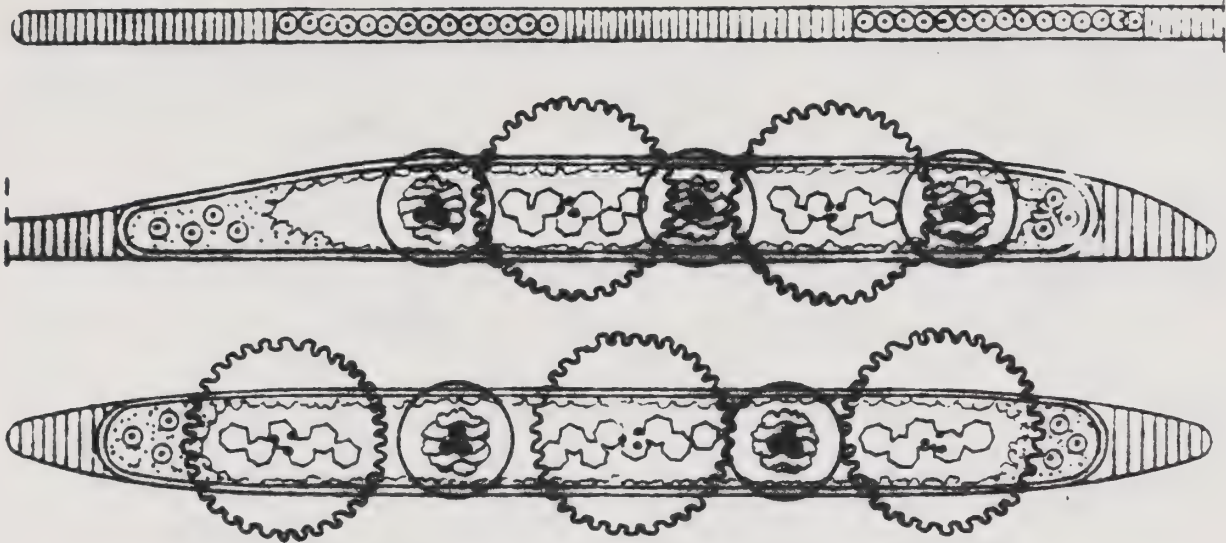
REVISION DATE:

MAR 3 1983

STANDARD PLAN

NO. 741





### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	WASHINGTONIA ROBUSTA	AS SHOWN	SEE NOTE 3
	METROSIDEROS TOMENTOSA	AS SHOWN	MULTI 24" BOX
	EURYOPS 'GOLDEN GREEN'	MIN. 3' APART	5 GAL.
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.
	PELARGONIUM PELTATUM 'MIXED'	18" O.C.	IN FLATS
	CARISSA 'GREEN CARPET'	3' O.C.	1 GAL.
	GAZANIA SPLENDENS 'DOUBLE YELLOW'	12" O.C.	IN FLATS

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.
3. SIZE TO BE DETERMINED DURING PLAN CHECK.

**STREETS:** MAIN STREET

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

REVISION DATE:

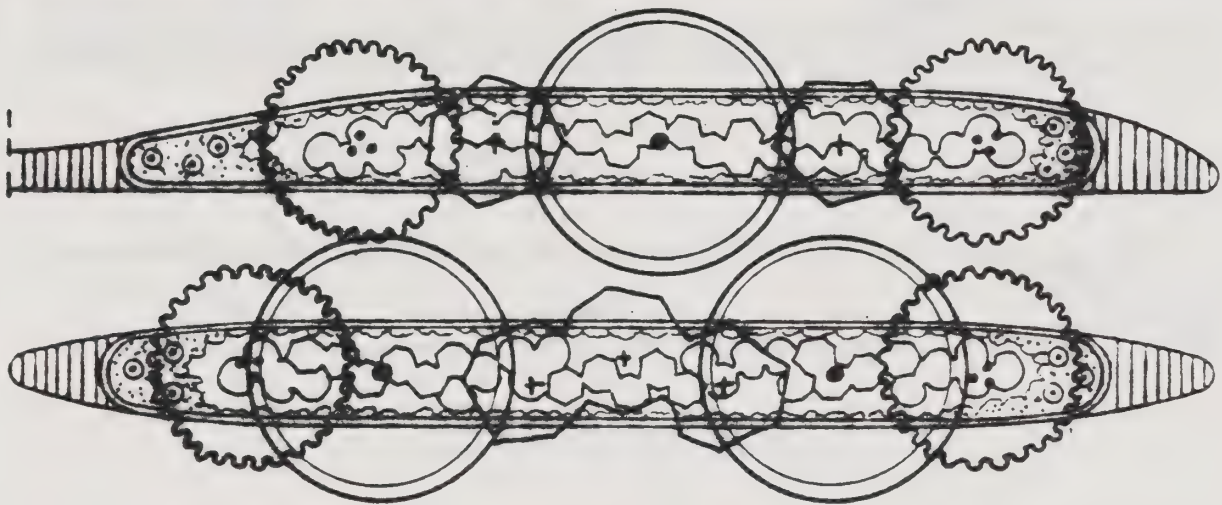
MAR 3 1983

STANDARD PLAN









NO. 742







### PLANT LEGEND

SYMBOL	PLANT NAME	SPACING	SIZE
	EUCALYPTUS CLADOCALYX	AS SHOWN	15 GAL.
	TRISTANIA CONFERTA	AS SHOWN	24" BOX
	METROSIDEROS TOMENTOSA	AS SHOWN	MULTI 24" BOX
	MYOPORUM PARVIFOLIUM	3' O.C.	1 GAL.
	ESCALLONIA 'FRADESI'	MIN. 6' APART	5 GAL.
	COPROSMA R. 'VARIEGATA'	MIN. 4' O.C.	5 GAL.
	GAZANIA S. 'GOLD RUSH'	12" O.C.	IN FLATS
	AGAPANTHUS AFRICANUS 'BLUE'	MIN. 3' APART	1 GAL.

### NOTES:

1. PLANTER AREAS TO BE TOP DRESSED WITH SHREDDED BARK 2" THICK.
2. PLANTING AND IRRIGATION SHALL CONFORM TO THE C.H.B. LANDSCAPE STANDARD PLANS AND SPECIFICATIONS.

**STREETS:** MAGNOLIA STREET

DEPARTMENT OF PUBLIC WORKS

**CITY OF HUNTINGTON BEACH  
CALIFORNIA**

**ARTERIAL STREET MEDIAN  
LANDSCAPE TREATMENT**

APPROVED:

DIRECTOR OF PUBLIC WORKS

DATE

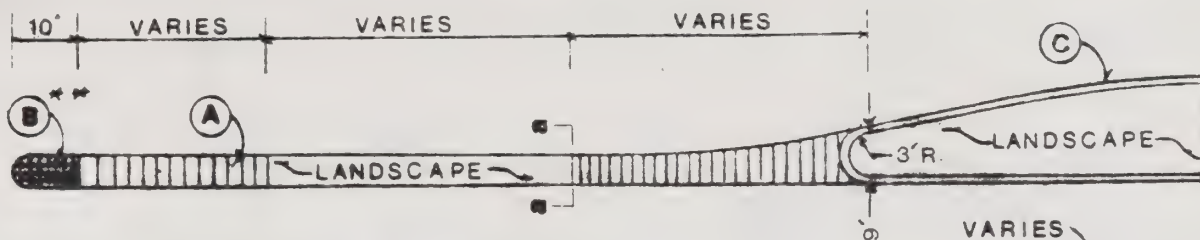
REVISION DATE:

MAR 3 1983

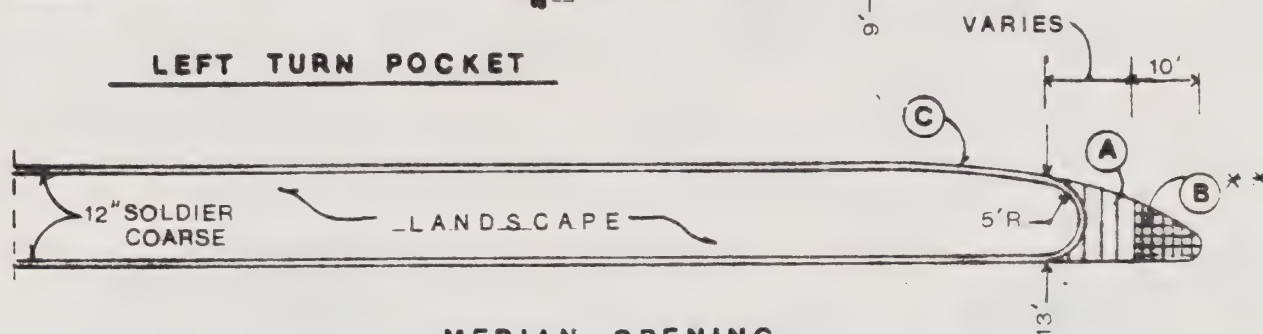
STANDARD PLAN

NO. 743

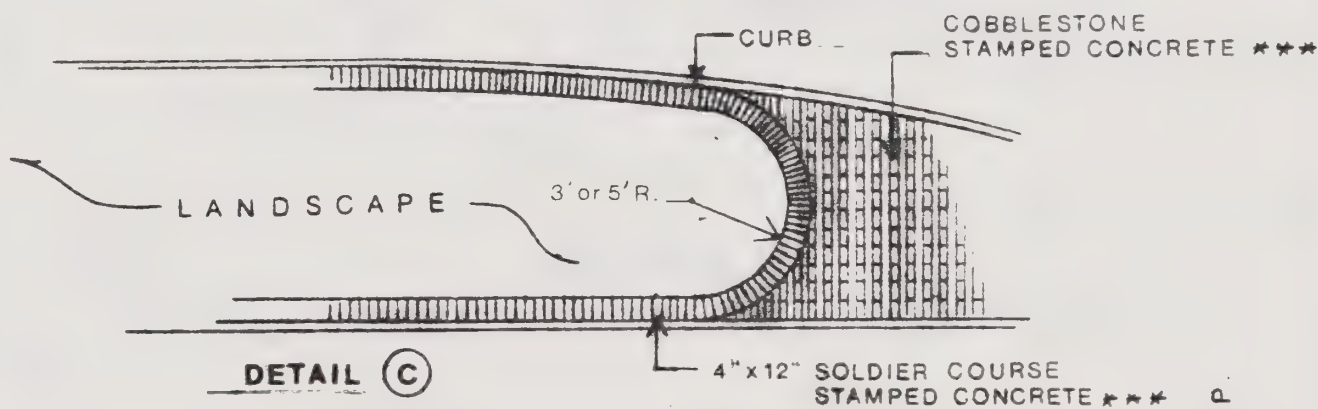




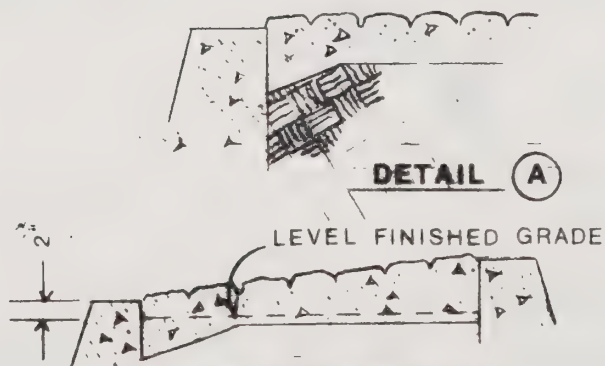
**LEFT TURN POCKET**



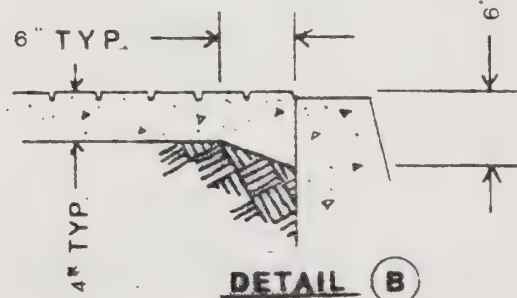
**MEDIAN OPENING**



**DETAIL (C)**



**DETAIL (A)**



**DETAIL (B)**

**END SECTION a - a**

- NOTES:**
- \* A LANDSCAPE PLAN IS REQUIRED AND SUBJECT TO APPROVAL.
  - \*\* USE WHERE NOTED ON PLANS.
  - \*\*\* COLOR TO BE 'BRICK RED' BY L.M. SCOFIELD COMPANY.
  - DIMENSIONS SHOWN AT RADII POINTS ARE FROM CURB FACE.

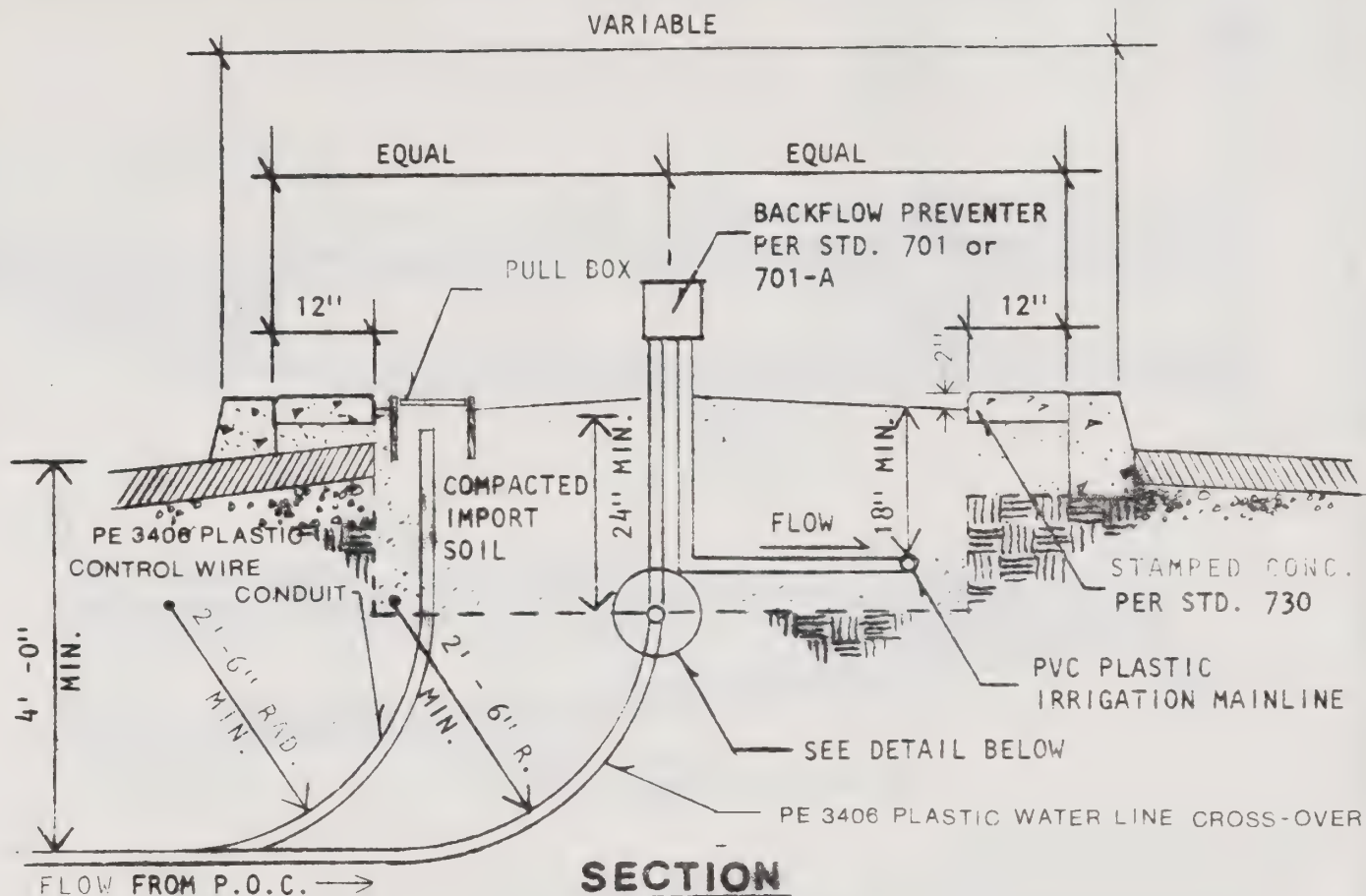
**DEPARTMENT OF PUBLIC WORKS**  
**CITY OF HUNTINGTON BEACH**  
**CALIFORNIA**

**MEDIAN STAMPED CONCRETE**

APPROVED: *[Signature]* DATE: *6/20/83*  
 DIRECTOR OF PUBLIC WORKS  
 REVISION DATE: MAY 26, 1983  
 STANDARD PLAN NO. 730







NIPPLE TO BACKFLOW PREVENTER

90° ELBOW

NIPPLE

STREET ELL

SLIP-ON ADAPTER

STAINLESS STEEL CLAMPS

POLYETHYLENE PLASTIC PIPE ONE PIECE CONTINUOUS FROM POINT OF CONNECTION

NOTE: FITTINGS TO BE BRASS UNLESS OTHERWISE NOTED. SIZE OF PIPE AND TUBING PER APPROVED PLANS.

**DETAIL**

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

**MEDIAN PROFILE**

APPROVED:

DIRECTOR OF PUBLIC WORKS

6/20/83  
DATE

REVISION DATE:

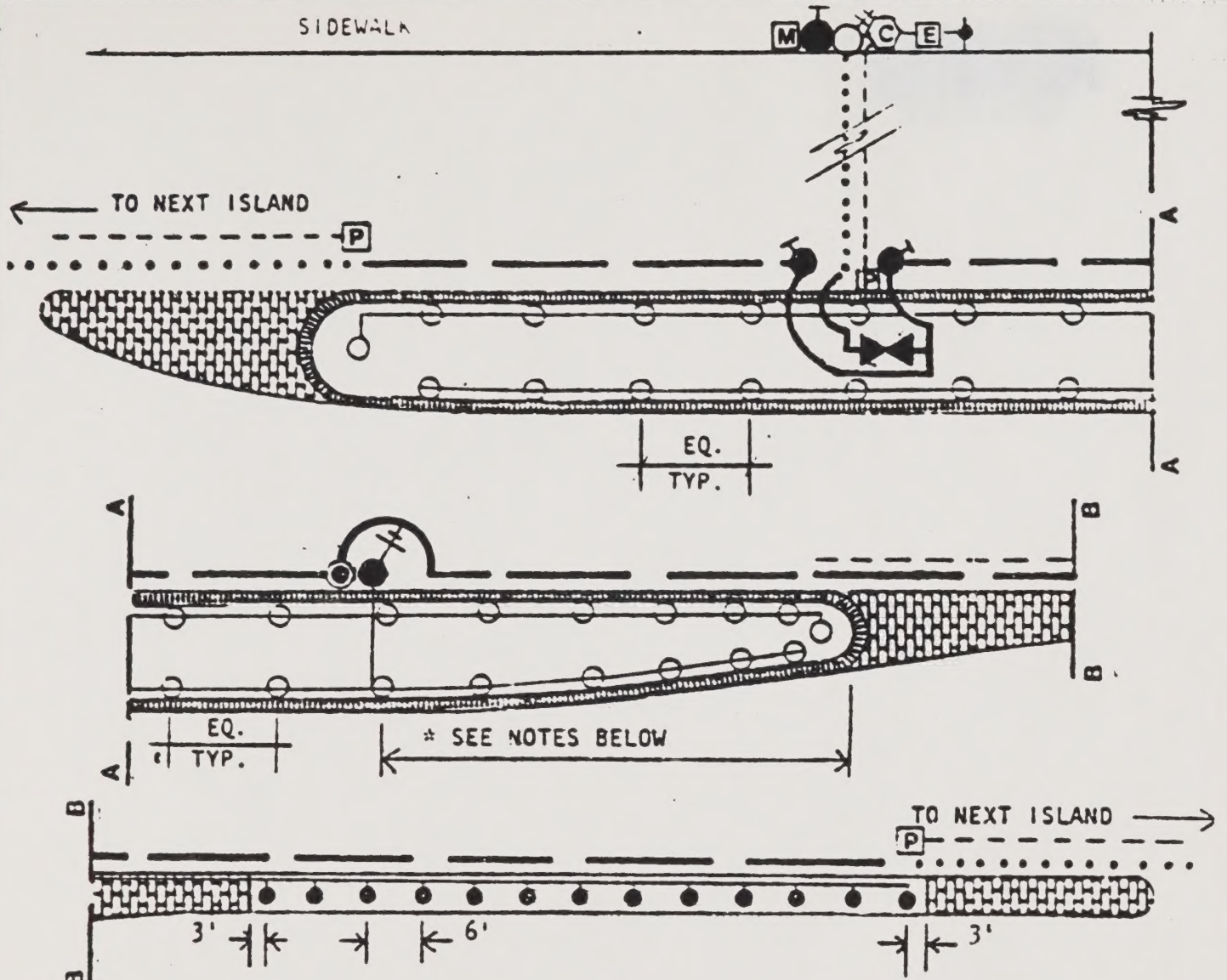
MAY 26 1983

STANDARD PLAN

NO. 712







[M] WATER SERVICE

[C] IRRIGATION CONTROLLER

[E] ELECTRIC SERVICE

● S.C.E. POWER SOURCE

⋈ BACKFLOW PREVENTER

● GATE VALVE

⊕ ELECTRIC MASTER VALVE

[P] CONTROL WIRING PULL BOX

————— MAIN IRRIGATION SUPPLY LINE

..... IRRIGATION CROSSOVER LINE

————— LATERAL IRRIGATION LINE

----- CONTROL WIRE CROSSOVER CONDUIT

○—○ SHRUB SPRAY HEAD

●—● SHRUB BUBBLER HEAD

⊕ ELECTRIC REMOTE CONTROL VALVE

⊙ QUICK COUPLING VALVE

\* HEAD SPACING IN LESS THAN FULL-WIDTH MEDIAN AREAS ARE TO BE ADJUSTED TO PROVIDE COMPLETE COVERAGE

\*\* TYPE OF EQUIPMENT AND EXACT LOCATIONS ARE TO BE PER PUBLIC WORKS APPROVED PLANS.

\*\*\* EQUIPMENT OTHER THAN CROSS-OVERS SHOWN IN STREET SECTIONS ARE TO BE A MINIMUM OF 18 INCHES BEHIND CURB.

DEPARTMENT OF PUBLIC WORKS

CITY OF HUNTINGTON BEACH  
CALIFORNIA

## MEDIAN IRRIGATION LAYOUT

APPROVED: *[Signature]*

DIRECTOR OF PUBLIC WORKS

6/20/83  
DATE

REVISION DATE:

MAY 26 1983

STANDARD PLAN

NO. 711



U.C. BERKELEY LIBRARIES



C124880967



